

**Stormwater Only at Discharge Outfall
Analytical Monitoring Matrix for Compost Facilities - DRAFT**

Compost Facility Type					I		II		III		IV	
Facility Size					Small	Large	Small	Large	Small	Large	Small	Large
Permit Required					Exempt	General	General ²	General ²	Individual	Individual	Individual	Individual
Monitored Constituents:	Units	DWQ Rec. Bmrk	Source	Frequency ⁷								
Total Suspended Solids	mg/l	100	Ref. 1	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Chemical Oxygen Demand	mg/l	120	Ref. 1	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Biological Oxygen Demand	mg/l	30	Ref. 1	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Total Nitrogen	mg/l	30	Ref. 1	Quarterly	NA	NA	✓	✓	✓	✓	✓	✓
Total Phosphorous	mg/l	2	Ref. 1	Quarterly	NA	NA	✓	✓	✓	✓	✓	✓
E Coli (Either or?)	colonies/100ml	?		Quarterly	NA	NA	NA	NA	TBD	TBD	✓	✓
Fecal Coliform	colonies/100ml	1000	Ref. 1	Quarterly	NA	NA	NA	NA	TBD	TBD	✓	✓
pH	standard units	6 - 9	Ref. 1	Quarterly	NA	✓	✓	✓	✓	✓	✓	✓
Cu	mg/l	0.007	Ref. 1	Quarterly	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Zn	mg/l	0.067	Ref. 1	Quarterly	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD
Pb	mg/l	0.03	Ref. 1	Quarterly	NA	TBD	TBD	TBD	TBD	TBD	TBD	TBD
TMDL ¹	--	--		Quarterly	NA	NA	NA	NA	✓	✓	✓	✓
Total Rainfall	Inches	NA		Quarterly	NA	✓	✓	✓	✓	✓	✓	✓

Notes:

1. Total Maximum Daily Limits (TMDL) - Additional parameters may be required depending upon site watershed. Units and benchmarks will depend on constituents in feedstocks.
2. Certain feedstock types may require Individual Permit.
3. FAV - Final Acute Value
4. Excludes vehicle maintenance activities triggers associated with General Permits
5. Normal tiered monitoring protocols for exceedances also apply.
6. Benchmarks are not violations they are triggers for action.
7. Monitoring frequency maybe stepped depending on data. Open to reduction of frequency based on consistent passing data.

References:

1. Individual Permit: Benchmarks and Rationale Document, August 10, 2007 provided by NCDENR - DWQ